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1   Secure sessions for web services

Karthikeyan Bhargavan, Ricardo Corin, Cédric Fournet, Andrew D. Gordon

October 2004   SWS '04: Proceedings of the 2004 workshop on Secure web service

Publisher: ACM

Full text available: 📄 Pdf (351.35 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 144, Citation Count: 5

WS-Security provides basic means to secure SOAP traffic, one envelope at a time. For typical web services, however, using WS-Security independently for each message is rather inefficient; besides, it is often important to secure the integrity of a whole ...

2   Tailoring the Dolev-Yao abstraction to web services realities

Michael Backes, Thomas Groß

November 2005   SWS '05: Proceedings of the 2005 workshop on Secure web services

Publisher: ACM

Full text available: 📄 Pdf (213.05 KB)   Additional Information: full citation, abstract, references, index terms, review

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 84, Citation Count: 0

Web Services are an important series of standards for adding semantics to web-based and XML-based communication. For analyzing the security of Web Services protocols composed of these standards, it is tempting to exploit their similarity to traditional ...

Keywords: Dolev Yao, federated identity management, formal method, protocol model, security analysis, security proof of protocols, tool support, web services security

3 A client-side CardSpace-Liberty integration architecture

Waleed A. Alrodhan, Chris J. Mitchell

March 2008   IDtrust '08: Proceedings of the 7th symposium on Identity and trust on the Internet

Publisher: ACM

Full text available: Pdf (1.07 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 19,   Downloads (12 Months): 52,   Citation Count: 0

Over the last few years, many identity management schemes, frameworks and system specifications have been proposed; however these various schemes and frameworks are typically not interoperable. In this paper we propose an approach to enable interoperation ...

Keywords: CardSpace, Liberty, federation, identity management, integration

4 User-centric PKI

Radia Perlman, Charlie Kaufman

March 2008   IDtrust '08: Proceedings of the 7th symposium on Identity and trust on the Internet

Publisher: ACM

Full text available: Pdf (366.88 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 44,   Downloads (12 Months): 131,   Citation Count: 0

The goal of supporting Single Sign-On to the Web has proven elusive. A number of solutions have been proposed -- and some have even been deployed -- but the capability remains unavailable to most users and the solutions deployed raise concerns for both ...

Keywords: PKI, authentication, single sign-on, web services

5 Secure authentication system for public WLAN roaming

Ana Sanz Merino, Yasuhiko Matsunaga, Manish Shah, Takashi Suzuki, Randy H. Katz

June 2005   Mobile Networks and Applications , Volume 10 Issue 3

Publisher: Kluwer Academic Publishers

Full text available: Pdf (2.43 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 27,   Downloads (12 Months): 379,   Citation Count: 1

A serious challenge for seamless roaming between independent wireless LANs (WLANs) is how best to confederate the various WLAN service providers, each having different trust relationships with individuals and each supporting their own authentication ...

Keywords: authentication, link layer security, policy control, roaming, wireless LAN

6 Identity federation for voip-based services

Samir Saklikar, Subir Saha

November 2007   DIM '07: Proceedings of the 2007 ACM workshop on Digital identity management

Publisher: ACM

Full text available: Pdf (216.70 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 248, Citation Count: 0

Identity Federation enables managing a single User's multiple Identities across administrative domains. Instead of forcing a single Identity for the User, it leverages trust between Service Providers to share User Identity information viz. Authentication, ...

Keywords: SAML, SIP, assertion, federation, identity, voIP

7 Provably secure browser-based user-aware mutual authentication over TLS

Sebastian Gajek, Mark Manulis, Ahmad-Reza Sadeghi, Jörg Schwenk

March 2008   ASI ACCS '08: Proceedings of the 2008 ACM symposium on Information, computer and communications security

Publisher: ACM

Full text available: Pdf (410.43 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 98, Citation Count: 0

The standard solution for user authentication on the Web is to establish a TLS-based secure channel in server authenticated mode and run a protocol on top of TLS where the user enters a password in an HTML form. However, as many studies point out, the ...

Keywords: TLS, browser-based protocols, phishing, user authentication

8 Web services discovery in secure collaboration environments

Mohamed Shehab, Kamal Bhattacharya, Arif Ghafoor

November 2007   Transactions on Internet Technology (TOIT) , Volume 8 Issue 1

Publisher: ACM

Full text available: Pdf (760.61 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 45, Downloads (12 Months): 548, Citation Count: 0

Multidomain application environments where distributed domains interoperate with each other is a reality in Web-services-based infrastructures. Collaboration enables domains to effectively share resources; however, it introduces several security and ...

Keywords: Secure collaboration, encapsulated SOAP, private UDDI registries, protocols, secure access paths, services

9 A modeling approach to federated identity and access management

Martin Gaedke, Johannes Meinecke, Martin Nussbaumer

May 2005   WWW '05: Special interest tracks and posters of the 14th international conference on World Wide Web

Publisher: ACM

Full text available: Pdf (195.57 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 122,   Citation Count: 1

As the Web is increasingly used as a platform for heterogeneous applications, we are faced with new requirements to authentication, authorization and identity management. Modern architectures have to control access not only to single, isolated systems, ...

Keywords: federation, identity and access management, reuse, security

10 Cryptographic access control in a distributed file system

Anthony Harrington, Christian Jensen

June 2003   SACMAT '03: Proceedings of the eighth ACM symposium on Access control models and technologies

Publisher: ACM

Full text available: Pdf (249.24 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 20,   Downloads (12 Months): 135,   Citation Count: 6

Traditional access control mechanisms rely on a reference monitor to mediate access to protected resources. Reference monitors are inherently centralized and existing attempts to distribute the functionality of the reference monitor suffer from problems ...

Keywords: access control, cryptography, network file systems

11 Access control for the services oriented architecture

Jun Li, Alan H. Karp

November 2007   SWS '07: Proceedings of the 2007 ACM workshop on Secure web services

Publisher: ACM

Full text available: Pdf (307.77 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 33,   Downloads (12 Months): 532,   Citation Count: 0

Federated Identity Management (FIdM) is being applied to Services Oriented Architecture (SOA) deployments that cross enterprise boundaries. Though federation is essential in order to address the distributed nature of SOA, these FIdM solutions have been ...

Keywords: SOA, access control, federated identity management, fidm, services oriented architecture, web services

12 Virtual enterprise access control requirements

M. Coetzee, Jan H. P. Eloff

September 2003

SAI CSI T '03: Proceedings of the 2003 annual research conference of the South African institute of computer scientists and information technologists on Enablement through technology

Publisher: South African Institute for Computer Scientists and Information Technologists

Full text available: pdf (126.63 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 166, Citation Count: 2

Current developments in IT point towards the formation of loosely coupled enterprises, often referred to as virtual enterprises. These enterprises require both secure and flexible collaboration between unrelated information systems. Web services technology ...

Keywords: B2B, SOAP, XML, access control, design, federation, management, roles, security, standardization, trust, virtual enterprises, web services

13 Securing user inputs for the web

Jan Camenisch, abhi shelat, Dieter Sommer, Roger Zimmermann

November 2006

DIM '06: Proceedings of the second ACM workshop on Digital identity management

Publisher: ACM

Full text available: pdf (655.02 KB)

Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 38, Downloads (12 Months): 294, Citation Count: 0

The goal of this paper is to study *secure and usable* methods for providing user input to a website. Three principles define security for us: certification, awareness, and privacy. Four principles define usability: contextual awareness, semantic ...

Keywords: user interface designs

14 Capturing the essentials of federated systems

Johannes Meinecke, Martin Gaedke, Frederic Majer, Alexander Brändle

May 2006

WWW '06: Proceedings of the 15th international conference on World Wide Web

Publisher: ACM

Full text available: pdf (43.00 KB)

Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 59, Citation Count: 0

Today, the Web is increasingly used as a platform for distributed services, which transcend organizational boundaries to form federated applications. Consequently, there is a growing interest in the architectural aspect of Web-based systems, i.e. the ...

Keywords: architecture, federation, modeling, security, web services

15 Quality Attributes for Service-Oriented Architectures

Liam O'Brien, Paulo Merson, Len Bass

May 2007   SDSOA '07: Proceedings of the International Workshop on Systems Development in SOA Environments

Publisher: IEEE Computer Society

Full text available: Pdf (246.74 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 71, Downloads (12 Months): 696, Citation Count: 0

The SOA approach is a very popular choice today for the implementation of distributed systems. The use of SOA or more specifically the Web services technology is an important architecture decision. An architect should understand how different quality ...

16 Decentralized access control in distributed file systems

Stefan Miltchev, Jonathan M. Smith, Vassilis Prevelakis, Angelos Keromytis, Sotiris Ioannidis

August 2008   Computing Surveys (CSUR) , Volume 40 Issue 3

Publisher: ACM

Full text available: Pdf (801.64 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 258, Downloads (12 Months): 528, Citation Count: 0

The Internet enables global sharing of data across organizational boundaries. Distributed file systems facilitate data sharing in the form of remote file access. However, traditional access control mechanisms used in distributed file systems are intended ...

Keywords: Authentication, authorization, certificates, credentials, decentralized access control, networked file systems, trust management

17 Secure sessions for Web services

Karthikeyan Bhargavan, Ricardo Corin, Cédric Fournet, Andrew D. Gordon

May 2007   Transactions on Information and System Security (TISSEC) , Volume 10 Issue 2

Publisher: ACM

Full text available: Pdf (579.98 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 92, Downloads (12 Months): 863, Citation Count: 0

We address the problem of securing sequences of SOAP messages exchanged between web services and their clients. The WS-Security standard defines basic mechanisms to secure SOAP traffic, one message at a time. For typical web services, however, using ...

Keywords: Web services, XML security

18 Federated identity management for protecting users from ID theft

Paul Madsen, Yuzo Koga, Kenji Takahashi

November 2005   DIM '05: Proceedings of the 2005 workshop on Digital identity management

Publisher: ACM

Full text available: Pdf (143.83 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 32, Downloads (12 Months): 260, Citation Count: 1

Federated identity management is sometimes criticized as exacerbating the problem of online identity theft, based as it is on the idea of connecting together previously separate islands of identity information. This paper explores this conjecture, and …

Keywords: federated identity, identity theft, phishing

19 Identity protection factor (IPF)

Arshad Noor

March 2008   IDtrust '08: Proceedings of the 7th symposium on Identity and trust on the Internet

Publisher: ACM

Full text available: Pdf (436.77 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 46, Downloads (12 Months): 125, Citation Count: 0

Since the dawn of computing, operating systems and applications have used many schemes to identify and authenticate entities accessing resources within computers. While the technologies and schemes have varied, there appears to have been little attempt …

Keywords: access control, asymmetric key, authentication, identification & authentication, identity management, identity protection factor (IPF), shared-secret, symmetric key

20 Proving a WS-Federation passive requestor profile

Thomas Groß, Birgit Pfitzmann

October 2004   SWS '04: Proceedings of the 2004 workshop on Secure web service

Publisher: ACM

Full text available: Pdf (451.24 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 50, Citation Count: 2

Currently, influential industrial players are in the process of realizing identity federation, in particular the authentication of browser users across administrative domains. WS-Federation is a joint protocol framework for Web Services clients and browser …

Keywords: WS-federation passive requestor profile, WSFPI, browser-based, federated identity management, identity federation, security, security proof of protocols, single signon, web browser, web service security

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